

Amendments to the Claims

Listing of Claims:

Claims 1 - 9 (canceled).

Claim 10 (new): A method of generating electrical pulses, which comprises:

providing a reference source, program-controlled calculation means connected to receive input signals from the reference source, and a pulse generation circuit connected to receive control values from the calculation means;

feeding input signals from the reference source into the calculation means;

calculating, with the calculation means and with entered parameters, control values dependent on the input signals for controlling the pulse generation circuit;

generating, at an output of the pulse generation circuit, a temporal sequence of electrical voltage levels in dependence on the control values;

wherein the entered parameters in each case comprise a value pair with a first value representing a size of the entered parameter and a second value representing a type of the entered parameter, and the size for the parameter in the calculation means is processed as a function of the type of the entered parameter, and the parameters defining a pulse represent time values and/or angular values; and

wherein the definition of a pulse is different during different processing cycles.

Claim 11 (new): The method according to claim 10, which comprises defining each pulse to be output by the pulse generation circuit by way of two parameters.

Claim 12 (new): The method according to claim 10, which comprises defining a pulse by an angular value and a time value.

Claim 13 (new): The method according to claim 10, which comprises defining a pulse by two angular values.

Claim 14 (new): The method according to claim 10, which comprises defining a pulse by two time values.

Claim 15 (new): The method according to claim 10, which comprises calculating the entered parameters as a function of physical conditions of an electromechanical system.

Claim 16 (new): The method according to claim 10, wherein the reference source comprises a rotating mechanical system.